



MALAYSIAN STANDARD

**MS ISO 128-1:2010
(CONFIRMED:2015)**

Technical drawings - General principles of presentation - Part 1: Introduction and index (ISO 128-1:2003, IDT)

ISO 128-1:2003 is endorsed as Malaysian Standard with the reference number MS ISO 128-1:2010.

ICS: 01.100.01

Descriptors: technical drawing, graphical representation, mechanical, civil, manual drawing, computer aided drawing (CAD)

NOTE. This Malaysian Standard has been reviewed and confirmed as being current.

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Revision: A process where existing Malaysian Standard is reviewed and updated which resulted in the publication of a new edition of the Malaysian Standard.

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NOTE: Technical corrigenda are not to correct errors which can be assumed to have no consequences in the application of the MS, for example minor printing errors.

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Committee representation

The Industry Standards Committee on Mechanical Engineering (ISC F) under whose authority this Malaysian Standard was adopted, comprises representatives from the following organisations:

Department of Occupational Safety and Health Malaysia
Department of Standards Malaysia
Jabatan Kerja Raya Malaysia
Machinery and Equipment Manufacturers' Association
Malaysian Industrial Development Authority
Malaysian Iron and Steel Industry Federation
Ministry of International Trade and Industry
National Institute of Occupational Safety and Health
Petroleum Nasional Berhad
Science and Technology Research Institute for Defence
SIRIM Berhad (Secretariat)
SIRIM QAS International Sdn Bhd
Suruhanjaya Perkhidmatan Air Negara
Suruhanjaya Tenaga
The Institution of Engineers, Malaysia
Universiti Kebangsaan Malaysia
Universiti Malaya
Universiti Sains Malaysia
Universiti Teknologi Malaysia

The Technical Committee on Technical Drawings which recommended the adoption of the ISO Standard as Malaysian Standard consists of representatives from the following organisations:

Association of Consulting Engineers Malaysia
Construction Industry Development Board Malaysia
Jabatan Kerja Raya Malaysia
Kolej Kemahiran Tinggi MARA
Machinery and Equipment Manufacturers' Association
Malaysia Mould and Die Association
Master Builders Association Malaysia
Pertubuhan Akitek Malaysia
SIRIM Berhad (Advanced Manufacturing Technology Centre)
SIRIM Berhad (Secretariat)
The Institution of Engineers, Malaysia
Universiti Industri Selangor
Universiti Teknologi Malaysia

NATIONAL FOREWORD

The adoption of the ISO Standard as a Malaysian Standard was recommended by the Technical Committee on Technical Drawings under the authority of the Industry Standards Committee on Mechanical Engineering.

This Malaysian Standard is identical with ISO 128-1:2003, *Technical drawings - General principles of presentation - Part 1: Introduction and index*, published by the International Organization for Standardization (ISO). However, for the purposes of this Malaysian Standard, the following apply:

- a) in the source text, "this International Standard" should read "this Malaysian Standard";
- b) the comma which is used as a decimal sign (if any), to read as a point; and
- c) reference to International Standards should be replaced by corresponding Malaysian Standards as follows:

Referenced International Standards

ISO 129, *Technical drawings - Indication of dimensions and tolerances - Part 1: General principles*

ISO 9431, *Construction drawings - Spaces for drawing and for text, and title blocks on drawing sheets*

ISO 5455, *Technical drawings - Scales*

ISO 7083, *Technical drawings - Symbols for geometrical tolerancing - Proportions and dimensions*

Corresponding Malaysian Standards

MS ISO 129, *Technical drawings - Indication of dimensions and tolerances - Part 1: General principles*

MS ISO 9431, *Construction drawings - Spaces for drawing and for text, and title blocks on drawing sheets*

MS ISO 5455, *Technical drawings - Scales*

MS ISO 7083, *Technical drawings - Symbols for geometrical tolerancing - Proportions and dimensions*

MS ISO 128 consists of the following parts, under the general title *Technical drawings - General principles of presentation*:

Part 1: Introduction and index

Part 20: Basic conventions for lines

Part 21: Preparation of lines by CAD systems

Part 22: Basic conventions and applications for leader lines and reference lines

Part 23: Lines on construction drawings

Part 24: Lines on mechanical engineering drawings

Part 25: Lines on shipbuilding drawings

NATIONAL FOREWORD *(continued)*

Part 30: Basic conventions for views

Part 34: Views on mechanical engineering drawings

Part 40: Basic conventions for cuts and sections

Part 44: Sections on mechanical engineering drawings

Part 50: Basic conventions for representing areas on cuts and sections

Compliance with a Malaysian Standard does not of itself confer immunity from legal obligations.

NOTE. IDT on the front cover indicates an identical standard i.e. a standard where the technical content, structure, and wording (or is an identical translation) of a Malaysian Standard is exactly the same as in an International Standard or is identical in technical content and structure although it may contain the minimal editorial changes specified in clause 4.2 of ISO/IEC Guide 21-1.